

1. (Three Times Amended) A storage medium accessed by a vendor computer and user computer, said storage medium for storing information readable by said user computer, said storage medium comprising:

encrypted electronic data; [and]

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a medium personal number which is [unique for each storage medium] particularly personal for each storage medium and is different from a medium personal number of another storage medium, wherein at least the medium personal number is written onto the storage medium in an un-rewritable form which said user computer cannot rewrite[,]; and [said medium personal number is used for generating a decryption key for decrypting said encrypted electronic data in said user computer]

permission information which includes a decryption key encrypted in a manner that is generated independent from a specific apparatus number for a specific computer, and generated based upon said medium personal number.

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6. (Three Times Amended) A storage medium accessed by a vendor computer and user computer, said storage medium for storing information readable by said user computer, said storage medium comprising:

encrypted electronic data; [and]

a medium personal number which is [unique for each storage medium] particularly personal for each storage medium and is different from a medium personal number of another storage medium, wherein at least the medium personal number is written onto the storage medium in an un-rewritable form which said user computer cannot rewrite[,]; and

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[said medium personal number is used for generating an encrypted permission
information in said vendor computer]

permission information encrypted in a manner that is generated independent from
a specific apparatus number for a specific computer and generated based upon said
medium personal number.

11. (Three Times Amended) A storage medium accessed by a vendor computer
and a user computer said storage medium for storing information readable by said user
computer said storage medium comprising:

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encrypted electronic data;

a medium personal number which is [unique for each storage medium] particularly
personal for each storage medium and is different from a medium personal number of
another storage medium; and

encrypted permission information that is generated independent from a specific
apparatus number for a specific computer and generated based upon said medium
personal number;

wherein at least the medium personal number is written onto the storage medium
in an unrewritable form which a user computer cannot rewrite.

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17. (Three Times Amended) A storage medium accessed by a vendor
computer and user computer, said storage medium for storing information readable by
said user computer, said storage medium comprising:

a medium personal number which is particularly personal for each storage medium and is different from a medium personal number of another storage medium, wherein the medium personal number is written onto the storage medium in an un-rewritable form which a user storage reading apparatus cannot rewrite;

electronic information; and

information which is encrypted based on said medium personal number and is encrypted independent from a specific apparatus number for a specific computer and said medium personal number is used for generating a decryption key for decrypting said encrypted electronic data in said user computer.

18. (Three Times Amended) A storage medium accessed by a vendor computer and user computer, said storage medium for storing information readable by said user computer, said storage medium comprising:

encrypted electronic information;

a medium personal number which is particularly personal for each storage medium and is different from a medium personal number of another storage medium;

wherein at least the medium personal number is written onto the storage medium in an un-rewritable form which the user storage reading apparatus cannot rewrite, and said medium personal number is used for decrypting said encrypted electronic information; and

information which is encrypted based on said medium personal number and is encrypted independent from a specific apparatus number for a specific computer.

19. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific first computer and which stores the encrypted decryption key onto the storage medium, and accessible from a plurality of second computers which decrypt the encrypted decryption key stored on the storage medium based upon the medium personal number and independent from a specific apparatus number for a specific second computer and which decrypt encrypted electronic information stored on the storage medium based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific second computer, the storage medium comprising:

a first storage area for storing encrypted electronic information, the encrypted electronic information includes electronic information encrypted based upon the decryption key;

a second storage area for storing the medium personal number, which is unrewritable from at least the second computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a third storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted

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decryption key is generated independent from the specific apparatus number for the specific first computer.

23. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific first computer and which stores the encrypted decryption key onto the storage medium and which encrypts electronic information based upon the decryption key and which stores the encrypted electronic information onto the storage medium, and accessible from a plurality of second computers which decrypt the encrypted decryption key stored on the storage medium based upon the medium personal number and independent from a specific apparatus number for a specific second computer and which decrypt encrypted electronic information stored on the storage medium based upon the encrypted decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific second computer, the storage medium comprising:

a first storage area for storing encrypted electronic information, the encrypted electronic information includes electronic information encrypted based upon the decryption key;

a second storage area for storing the medium personal number, which is unrewritable from at least the second computers, wherein the medium personal number is

particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a third storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from the specific apparatus number for the specific first computer.

24. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific computer and which stores the encrypted decryption key onto the storage medium, the storage medium comprising:

a first storage area for storing encrypted electronic information, the encrypted electronic information includes electronic information encrypted based upon the decryption key;

a second storage area for storing the medium personal number, which is unrewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a third storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from a specific apparatus number for a specific computer.

25. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific computer and which stores the encrypted decryption key onto the storage medium and which encrypts electronic information based upon the encrypted decryption key and which stores the encrypted electronic information onto the storage medium, the storage medium comprising:

a first storage area for storing encrypted electronic information, the encrypted electronic information includes electronic information encrypted based upon the decryption key;

a second storage area for storing the medium personal number, which is unrewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a third storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from a specific apparatus number for a specific computer.

26. (Three Times Amended) A storage medium accessible from a plurality of computers which decrypt an encrypted decryption key stored on the storage medium, the encrypted decryption key being based upon a medium personal number and independent from a specific apparatus number for a specific computer, and which decrypt encrypted electronic information stored on the storage medium based upon the decryption key that

has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific computer in a particular computer, the storage medium comprising:

a first storage area for storing encrypted electronic information, the encrypted electronic information includes electronic information encrypted based upon the decryption key;

a second storage area for storing the medium personal number, which is unrewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a third storage area for storing an encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from the specific apparatus number for the specific computer.

27. (Three Times Amended) A storage medium accessible from different computers at different times, the storage medium comprising:

a first storage area for storing encrypted electronic information, the encrypted electronic information includes electronic information encrypted based upon a decryption key;

a second storage area for storing a medium personal number, which is unrewritable from the computers, wherein the medium personal number is particularly

personal for each storage medium and is different from a medium personal number of another storage medium; and

a third storage area for storing an encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from a specific apparatus number for a specific computer.

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28. (Three Times Amended) A storage medium accessed by a computer, said storage medium, comprising:

a first storage area for storing encrypted electronic information, the encrypted electronic information includes electronic information encrypted based upon a decryption key;

a second storage area for storing a medium personal number, which is unrewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a third storage area for storing an encrypted decryption key, wherein the encrypted decryption key is generated based upon the medium personal number and the decryption key is generated independent from a specific apparatus number for a specific computer.

29. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific first computer and which stores the

encrypted decryption key onto the storage medium, and accessible from a plurality of second computers which decrypt the encrypted decryption key stored on the storage medium based upon the medium personal number and independent from a specific apparatus number for a specific second computer and which decrypt encrypted electronic

information stored on the storage medium based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific second computer, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable from at least the second computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from the specific apparatus number for the specific first computer.

33. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific first computer and which stores the encrypted decryption key onto the storage medium and which encrypts electronic information based upon the decryption key and which stores the encrypted electronic information onto the storage medium, and accessible from a plurality of second

computers which decrypt the encrypted decryption key stored on the storage medium based upon the medium personal number and independent from a specific apparatus number for a specific second computer and which decrypt encrypted electronic information stored on the storage medium based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific second computer, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable from at least the second computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from the specific apparatus number for the specific second computer.

34. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific computer and which stores the encrypted decryption key onto the storage medium, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from the specific apparatus number for the specific computer; and

a storage area for storing electronic data which is accessible after the decryption key has been decrypted.

35. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific computer and which stores the encrypted decryption key onto the storage medium and which encrypts electronic information based upon the decryption key and which stores the encrypted electronic information onto the storage medium, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from the specific apparatus number for the specific computer.

Storage area for encrypted e-info.

36. (Three Times Amended) A storage medium accessible from a plurality of computers which decrypt an encrypted decryption key stored on the storage medium, the encrypted decryption key being based upon the medium personal number and independent from a specific apparatus number for a specific computer and which decrypt encrypted electronic information stored on the storage medium based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific computer in a particular computer, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable from the computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing the encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from the specific apparatus number for the specific computer; and

a storage area for storing electronic data which is accessible after the decryption key has been decrypted.

37. (Three Times Amended) A storage medium accessible from different computers at different times, the storage medium comprising:

a storage area for storing a medium personal number, which is un-rewritable from the computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium;

a storage area for storing an encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from a specific apparatus number for a specific computer; and

a storage area for storing electronic data which is accessible after the decryption key has been decrypted.

38. (Three Times Amended) A storage medium accessed by a computer, said storage medium, comprising:

a storage area for storing a medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium;

a storage area for storing an encrypted decryption key, wherein the decryption key is generated based upon the medium personal number and the encrypted decryption key is generated independent from a specific apparatus number for a specific computer; and

a storage area for storing electronic data which is accessible after the decryption key has been decrypted.

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39. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific first computer and which stores the encrypted decryption key onto the storage medium, and accessible from a plurality of second computers which decrypt the encrypted decryption key stored on the storage medium based upon the medium personal number and independent from a specific apparatus number for a specific second computer and which decrypt encrypted electronic information stored on the storage medium based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific second computer, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable from at least the second computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from the specific apparatus number for the specific first computer. ; storage for encryption

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43. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific first computer and which stores the encrypted decryption key onto the storage medium and which encrypts electronic

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information based upon the decryption key and which stores the encrypted electronic information onto the storage medium, and accessible from a plurality of second computers which the decrypt the encrypted decryption key stored on the storage medium based upon the medium personal number and independent from a specific apparatus number for a specific second computer and which decrypt encrypted electronic information stored on the storage medium based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific second computer, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable from at least the second computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from the specific apparatus number for the specific second computer.

44. (Three Times Amended) A storage medium accessible from a first computer which encrypts a decryption key based upon a medium personal number and independent from a specific apparatus number for a specific computer and which stores the encrypted decryption key onto the storage medium, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable,
wherein the medium personal number is particularly personal for each storage medium
and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information
encrypted based upon the medium personal number and encrypted independent from the
specific apparatus number for the specific computer.

45. (Three Times Amended) A storage medium accessible from a first computer
which encrypts a decryption key based upon a medium personal number and independent
from a specific apparatus number for a specific computer and which stores the encrypted
decryption key onto the storage medium and which encrypts electronic information based
upon the decryption key and which stores the encrypted electronic information onto the
storage medium, the storage medium comprising:

a storage area for storing a medium personal number, which is un-rewritable,
wherein the medium personal number is particularly personal for each storage medium
and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information
encrypted based upon the medium personal number and encrypted independent from the
specific apparatus number for the specific computer.

46. (Three Times Amended) A storage medium accessible from a plurality of
computers which decrypt an encrypted decryption key stored on the storage medium, the

encrypted decryption key being based upon the medium personal number and independent from a specific apparatus number for a specific computer and which decrypt encrypted electronic information stored on the storage medium based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific computer in a particular computer,

comprising:

a storage area for storing the medium personal number, which is un-rewritable from the computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from the specific apparatus number for the specific computer.

47. (Three Times Amended) A storage medium accessible from different computers at different times, the storage medium comprising:

a storage area for storing a medium personal number, which is un-rewritable from the computers, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium;

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from a specific apparatus number for a specific computer; and

a storage area for storing electronic data which is accessible after the encrypted information has been decrypted.

48. (Twice Amended) A storage medium accessed by a computer, said storage medium comprising:

a storage area for storing a medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium;

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from a specific apparatus number for a specific computer; and

a storage area for storing electronic data which is accessible after the encrypted information has been decrypted.

49. (Three Times Amended) A storage medium accessed by a computer in a manner such that a decryption key is encrypted based upon a medium personal number and independent from a specific apparatus number for a specific computer and the encrypted decryption key is stored onto the storage medium, and accessed in a manner such that the encrypted decryption key stored on the storage medium is decrypted based

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upon the medium personal number and independent from the specific apparatus number for the specific computer and that encrypted electronic information stored on the storage medium is decrypted based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific computer, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from the specific apparatus number for the specific computer.

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53. (Three Times Amended) A storage medium accessed by a computer in a manner such that a decryption key is decrypted based upon a medium personal number and independent from a specific apparatus number for a specific computer and the encrypted decryption key is stored onto the storage medium and that electronic information is encrypted based upon the decryption key and the encrypted electronic information is stored onto the storage medium, and accessed in a manner such that the encrypted decryption key stored on the storage medium is decrypted based upon the medium personal number and independent from the specific apparatus number for the specific computer and that encrypted electronic information stored on the storage medium is decrypted based upon the decryption key that has been decrypted based on the

medium personal number and independent from the specific apparatus number for the specific computer in a particular second computer in different time, the storage medium comprising:

a storage area for storing a medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from the specific apparatus number for the specific computer.

54. (Three Times Amended) A storage medium accessed by a computer in a manner such that a decryption key is encrypted based upon a medium personal number and independent from a specific apparatus number for a specific computer and that the encrypted decryption key is stored onto the storage medium, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from the specific apparatus number for the specific computer.

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55. (Three Times Amended) A storage medium accessed by a computer in a manner such that a decryption key is encrypted based upon a medium personal number and independent from a specific apparatus number for a specific computer and the encrypted decryption key is stored onto the storage medium and that electronic information is encrypted based upon the decryption key and the encrypted electronic information is stored onto the storage medium, the storage medium comprising:

a storage area for storing the medium personal number, which is un-rewritable, wherein the medium personal number is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information encrypted based upon the medium personal number and encrypted independent from the specific apparatus number for the specific computer.

56. (Three Times Amended) A storage medium accessed by a computer in a manner such that an encrypted decryption key stored on the storage medium is decrypted based upon a medium personal number and independent from a specific apparatus number for a specific computer and encrypted electronic information stored on the storage medium is decrypted based upon the decryption key that has been decrypted based on the medium personal number and independent from the specific apparatus number for the specific computer, the storage medium comprising:

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a storage area for storing the medium personal number, which is un-rewritable,
wherein the medium personal number is particularly personal for each storage medium
and is different from a medium personal number of another storage medium; and

a storage area for storing encrypted information which includes information
encrypted based upon the medium personal number and encrypted independent from the
specific apparatus number for the specific computer.

111. (Twice Amended) A storage medium accessed by a vendor computer and
user computer, said storage medium for storing information readable by said user
computer, said storage medium comprising:

an area storing encrypted electronic data;

an area storing a medium personal number which is particularly personal for each
storage medium and is different from a medium personal number of another storage
medium, wherein at least the medium personal number is written onto the storage
medium in an un-rewritable form which the user computer cannot change; and

an area storing permission information which includes a decryption key encrypted
in a manner that is independent from a specific apparatus number for a specific computer
and based upon said medium personal number.

112. (Twice Amended) A storage medium accessed by a vendor computer and
user computer, said storage medium for storing information readable by said user
computer, said storage medium comprising:

an area storing encrypted electronic data;

an area storing a medium personal number which is particularly personal for each storage medium and is different from a medium personal number of another storage medium, wherein at least the medium personal number is written onto the storage medium in an un-rewritable form which the user computer cannot rewrite; and

an area storing permission information encrypted in a manner that is independent from a specific apparatus number for a specific computer and based upon said medium personal number.

113. (Three Times Amended) A storage medium accessed by a vendor computer and a user computer said storage medium for storing information readable by said user computer, said storage medium comprising:

an area storing encrypted electronic data;

an area storing a medium personal number which is particularly personal for each storage medium and is different from a medium personal number of another storage medium; and

an area storing encrypted permission information that is encrypted independent from a specific apparatus number for a specific computer;

wherein at least the medium personal number is written onto the storage medium in an un-rewritable form which a user computer cannot rewrite.

119. (Three Times Amended) A storage medium readable by a computer, said storage medium comprising:

data representing a medium personal number;

encrypted data; and

first data that is based on the medium personal number and encrypted independent from a specific apparatus number for a specific computer, wherein the medium personal number is un-rewritable and particularly personal for each storage medium and is different from a medium personal number of another storage medium, and wherein the first data is used by the computer to decrypt the encrypted data.

123. (Three Times Amended) A storage medium readable by different computers at different times, the storage medium comprising:

data representing a medium personal number;

encrypted data; and

first data that is based on the medium personal number and encrypted independent from a specific apparatus number for a specific computer, wherein the medium personal number is un-rewritable and particularly personal for each storage medium and is different from a medium personal number of another storage medium, and wherein the first data is used by the computer to decrypt the encrypted data.

124. (Twice Amended) A storage medium for storing data for access and processing by a storage reading apparatus, said storage medium comprising:

a medium personal number storage area including a medium personal number which is particularly personal for each storage medium and is different from a medium personal number of another storage medium, wherein the medium personal number is written onto the storage medium in an un-rewritable form which a user storage reading apparatus cannot rewrite;

an electronic information storage area including electronic information; and

an information storage area including information which is encrypted based on said medium personal number and encrypted independent from a specific apparatus number for a specific computer.

125. (Twice Amended) A storage medium for storing data for access and processing by a user storage reading apparatus, said storage medium comprising:

an encrypted electronic information storage area including encrypted electronic information;

a medium personal number storage area including a medium personal number which is particularly personal for each storage medium and is different from a medium personal number of another storage medium;

wherein at least the medium personal number is written onto the storage medium in an un-rewritable form which the user storage reading apparatus cannot rewrite, and